

XP-002138944

AN - 1983-48813K [20]

CPY - KIEN-R

- KIPO

DC - D15 E36 J03 X27

DR - 1887-P

FS - CPI;EPI

IC - C01B13/11

IN - KOZYURA V N; LYAKH A A

MC - D04-A01 D04-C E31-D J03-A

- X27-E01B

M3 - [01] C408 C550 C810 M411 M424 M720 M740 M903 M910 N120 N142 Q231 Q508 R013

PA - (KIEN-R) KIEV ENG CONS INST

- (KIPO) KIEV POLY

PN - SU941276 B 19820717 DW198320 004pp

PR - SU19802875012 19800125

XA - C1983-047419

XIC - C01B-013/11

XP - N1983-087332

AB - SU-941276 Air is ozonised for use in drinking water installations, after purification, partial drying, cooling and the application of an electrical discharge. Less energy is needed and the O3 content of the air is raised by using a high voltage impulse discharge with a voltage amplitude of 10-600 kV; the duration of the impulse is (1.2-200). 10 power minus 6 sec; the rate of voltage increase is 10-10 power 5 kV/micro-sec. and the off duty factor between pulses is 0.9.10 power minus 3-1.12 sec.

- Dust free air is passed to a blower, the air is partially dried, after which it leaves the drier for cooling and then enters a sealed chamber fitted with 2 electrodes. The air is subject to an electrical discharge under the above conditions at a feed rate of 400 cu.m./hr. Present feed rates required are 600 cu.m./hr.; the O3 concn. recorded is 19 g/cu.m. against 10 at present; Bul. 25/7.7.82. (4pp)

IW - OZONISE AIR HIGH VOLTAGE IMPULSE DISCHARGE USEFUL WATER TREAT

IKW - OZONISE AIR HIGH VOLTAGE IMPULSE DISCHARGE USEFUL WATER TREAT

INW - KOZYURA V N; LYAKH A A

NC - 001

OPD - 1980-01-25

ORD - 1982-07-17

PAW - (KIEN-R) KIEV ENG CONS INST

- (KIPO) KIEV POLY

TI - Ozonisation of air - Includes high voltage impulse discharge, useful in water treatment